

WA State Consolidated Technology Services State Data Center Program

Prepared By:	Consolidated Technology Services
Date: 7/12/2012	Period Covered: June 23 to July 6

SDC Projects Status

Project	Completed in this Reporting Period (June 23 – July 6)	Planned for Next Reporting (July 7 – July 20)	S C O	S C H	B U D
SDC Program	<ul style="list-style-type: none"> Continued work with individual project owners to update their portions of the overall project schedule. Posted SDC Project updates to the CTS Internet website. Established a workgroup of key CTS architects to develop a migration roadmap for the SDC. SDC Architects worked with internal stakeholders and subject matter experts to get the following design decisions approved: <ul style="list-style-type: none"> VLAN strategy VMAX physical security Security Gateways Virtualization Strategy Worked with Finance staff to assist in the budgeting and rate setting process. 	<ul style="list-style-type: none"> Continue identification of project tasks, timelines, and resources for upcoming projects. Continue facilitation and management of the design decision process. Gain approval on the following Design Decision: <ul style="list-style-type: none"> Fiber Pathways and Terminations between OB2 and the SDC Continue development of the SDC migration roadmap. Finalize the SDC Program Management Plan. Complete formal budget change requests. 			
OB2 Heat Reduction Reduce the amount of heat being generated in the OB2 data center and provide an incident response plan.	<ul style="list-style-type: none"> Approximately 32 data collection templates sent to agency occupants of OB2 data center for the purpose of determining their plans to reduce the number of, or turn off, existing devices. Followed up with agencies that have not yet turned in templates; TSD still working on completing portions of the survey template. ESD provided an overview of upcoming plans and agreed to gather additional, detailed information. Compiled results from templates including total number of devices, devices already shut down and devices planned to be shut down; reviewed results with project sponsor. SDC facilities continuing to input data into DCIM tool. May take until mid August to complete data input. 	<ul style="list-style-type: none"> Complete detailed review of templates submitted by agencies. Follow up with agencies where additional information or clarification is needed. Follow-up with ESD regarding progress on collecting detailed information to complete template. Continue work on draft report 			
SDC Facilities Prepare the SDC facility for customers. Includes preparing the critical environment (electrical/mechanical), floor space and physical security for customers.	<u>Critical Environment:</u> <ul style="list-style-type: none"> DC power design is in progress; awaiting TSD requirements. Furniture layout determined for CE control room. <u>Physical Security:</u> <ul style="list-style-type: none"> Met w/ vendor to define requirements for quote on security separation between SDC & 1500 Jefferson. Perimeter security vendor selection underway now. New Security Office under construction; basic construction expected to be completed 6/30. Configuration for occupancy expected to be completed 8/2. 	<u>Critical Environment:</u> <ul style="list-style-type: none"> Receive TSD/ESS design requirements before DC power design and procurement process can begin. Receive furniture. <u>Physical Security:</u> <ul style="list-style-type: none"> Receive quote from ASG for security separation on 7/17. Basic construction of Security Office complete; determining final scope of work for occupancy including phones, etc. 			

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	<ul style="list-style-type: none"> Additional Access Control Devices including video and cards being installed – planned to be completed 7/30. <u>Space Management:</u> <ul style="list-style-type: none"> Provider space (entrance facility) waiting for requirements from TSD. Working with OLS on procurement process for the Cable Management Documentation Software Cisco inventory moved from Technology Lab to shipping and receiving area. Begin planning for moving NCC from OB2 into the SDC support space. 	<ul style="list-style-type: none"> Continue installation of Access Control Devices <u>Space Management:</u> <ul style="list-style-type: none"> Submit internal request to procure Cable Management Documentation Software Configuration of Technology Lab enclosures and benches underway. Refine requirements for NCC operations Planning install of cabling to support TSD's GPS on rooftop of 3 story office building. 			
SDC Network Core Establish the network core in the SDC and connect with the OB2 network.	<ul style="list-style-type: none"> Completed final draft of Project Charter. Completed purchase order for GPS antenna cable. Executed CenturyLink Change Order for Cisco Engineering contract. Completed last phase of Cisco equipment inventory; captured equipment serial numbers and moved inventory to new secure location. Worked on Project Schedule fine-tuning to align with SDC Program Office standards. Executed contract with Walker & Associates for GPS antenna equipment and competed purchase order. Held Cisco Engineering kick-off meeting. Worked on changes to terms and conditions for CenturyLink Rack & Stack and Engineering contracts. Worked on Nexus 5K/7K testing of MPLS and Fabric Path functionality in OB2 Test Lab. Worked on SDC VLAN Design Decision. Worked on OOB/FOOB Design Decision for SDC. Worked on SDC/OB2 fiber path to support (OB2) Cisco M6 and CRS equipment moves to SDC. Worked on finalizing location of equipment in SDC Data Hall 1. 	<ul style="list-style-type: none"> Continue refinement of project schedule as Cisco engineering and equipment install efforts unfold. Gain approval on Project Charter. Continue work on CenturyLink contract Terms & Conditions. Continue work on CenturyLink Statement of Work updates for Cisco Rack & Stack and Engineering efforts. Continue to work with CenturyLink and Cisco on shortage of (SFP) parts. Continue work on (OB2 Lab) testing of 5K and 7K - MPLS and Fabric Path functionality required for SDC Network Core. Install cable for GPS antenna. Complete work on location of equipment in SDC Data Hall 1. Continue work on SDC/OB2 fiber path to support (OB2) Cisco M6 and CRS equipment moves to SDC. Continue work on SDC VLAN Design Decision. Continue work on OOB/FOOB Design Decision for SDC. Begin work on Cisco Engineering deliverables (Customer Requirements Document and High Level Design). Begin work on Cisco Rack & Stack deliverables (Site Survey and Equipment Inventory). 			
SDC Firewall Project Replace aged and over-capacity firewalls and deliver enhanced data security services to both	<ul style="list-style-type: none"> Investment Plan approved. Planning process can begin based on contract signing 	<ul style="list-style-type: none"> On hold until contract is signed. 			

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OB2 and the SDC.					
SDC Storage Optimization Replace aged systems and optimize the environment to reduce rates.	<ul style="list-style-type: none"> Released RFQQ Completed design to increase port density in OB2 fabric switches 	<ul style="list-style-type: none"> Continue to develop and document Storage Business and Administrative Processes Implement virtual server / software installation for EMC Secure Remote Support Gateway (ESRS) Respond to Vendor Questions / Comments on RFQQ 			
CTS Cloud Utility Service Provide a Cloud utility platform for CTS customers.	<ul style="list-style-type: none"> No activity planned or taken during this reporting period. 	<ul style="list-style-type: none"> Develop information to begin the decision process for proceeding (or not) with the cloud. 			
OB2 Risk Mitigation (CTS Move Phase 1) Move selected CTS equipment that best alleviates the heat issue in OB2.	<ul style="list-style-type: none"> Worked with multiple service areas to refine their sections of the project task plan and schedule. Drafted a proposal for realigning the Move Phase 1 projects with the original budget. This moved items between Move Phase 1 and 2 along with adjusting budget totals to match current plans. Discussed the Network Core follow-on projects. Determining the scope and sequence of these projects for Move Phase 1 will be partially based on the migration road mapping effort being performed by CTS architects. 	<ul style="list-style-type: none"> Continue refinement of project task plan and schedule. Continue drafting the investment plan. 			
Migrate WSP to SDC Explore the possibility of moving the WSP data center to the SDC.	<ul style="list-style-type: none"> WSP received feedback from the FBI on the physical security requirements (to be discussed at the next WSP/CTS meeting). Scheduled next work session (July 10). 	<ul style="list-style-type: none"> Receive feedback from WSP on cost model items and project task plan and schedule. Schedule ongoing work sessions. 			
Virtual Tape Library Disaster Recovery (VTL) Procure additional VTL equipment to eliminate the tape backup system and support mainframe disaster recovery.	<ul style="list-style-type: none"> No activity was planned or performed for this reporting period. 	<ul style="list-style-type: none"> No activity planned for next reporting period. 			
OB2 Risk Mitigation (CTS Move Phase 2) Continue the progress of Phase 1 by moving additional CTS equipment to the SDC.	<ul style="list-style-type: none"> Updated the project task plan to include Phase 2 items. This project is currently unfunded. 	<ul style="list-style-type: none"> Continue refinement of task plan and schedule. 			

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OB2 Data Center Optimization Reconfigure remaining equipment in OB2 to optimize airflow and cooling.	<ul style="list-style-type: none"> No activity was planned or performed for this reporting period. This project is currently unfunded. 	<ul style="list-style-type: none"> No activity planned for next reporting period. 			

Scope Key:**G** = No issues are impacting scope**Y** = Issues are being tightly managed, but may impact scope**R** = Unresolved issues are preventing progress of identified scope**Schedule Key:****G** = On schedule**Y** = Key milestones are more than 2 weeks late**R** = Key milestones are more than 8 weeks late**Budget Key:****G** = Planned spending is within 5% to 10% of agreed upon budget**Y** = Planned spending is within 11% to 20% of agreed upon budget**R** = Planned spending is greater than 20% of agreed upon budget**External Project Collaboration**

External Project	Completed in this Reporting Period (June 23 – July 6)	Planned for Next Reporting (July 7 – July 20)
Server Virtualization Virtualize CTS physical servers.	<ul style="list-style-type: none"> Decommission DOHW2WEBQ server. TSD OSS Servers – Rescheduled virtualization to Sept 8-9. July is 'End of Year' processing and August does not work for the customer for various reasons Teamsite - Virtualize SSVAPOLYTS1P & SSVWBOLYJR2. Scheduled the virtualization of SSVAPOLYTS1P for Aug 17-19th. 	<ul style="list-style-type: none"> TSD OSS Servers - Further testing of the OSS Workflow. Prep for the Virtualization of the Teamsite production servers (SSVAPOLYTS1P & SSVDBOLYJR2).
Command Center Establish command center support for the SDC.	<ul style="list-style-type: none"> Waiting on a decision to determine the location of Command Center in the SDC or 1500 Jefferson Building before additional planning can be completed. 	<ul style="list-style-type: none"> No action planned.
Replace Cisco MDS 9509 SAN Fabric Switches Replace SAN fabric switches in OB2 that are at end of vendor support.	<ul style="list-style-type: none"> Before the design can be completed, an audit of the Fiber Management System (FMS) is needed to determine how to connect the equipment in the OB-2 West Data Center (WDC) to the two 9513 switches in East Data Center (EDC). The storage and facilities team developed a plan to conduct the audit. 	<ul style="list-style-type: none"> The FMS audit is in progress and is expected to complete by July 27. The research on the OB-2 to SDC connectivity should complete. The draft of the high level design is being prepared.
VLAN Renumbering Optimize VLAN numbering	<ul style="list-style-type: none"> Updated the draft project charter. Charter and draft task plan was turned over to TSD. TSD will assign a project manager for this project. 	<ul style="list-style-type: none"> Assign a project manager.

External Project	Completed in this Reporting Period (June 23 – July 6)	Planned for Next Reporting (July 7 – July 20)
PBX Implement new PBX system	<ul style="list-style-type: none"> Purchased upgraded Station/Trunking Licensing for OLY2 PBX Upgrade. 	<ul style="list-style-type: none"> Nothing Planned -- Waiting for Cabinets, Power, and Structured Cabling to be ready before moving forward with project.

Top 5 Issues *

Issue Key: Green = Issue does not require action within 30 days

Yellow = Issue requires action within 30 days

Red = Issue requires action within 10 days or less

Issue #	Summary Description	Assigned	Priority (R,Y,G)	Opened Date/by	Next Review Date	Target Resolution Date	Resolution	Status
145	Potential SDC Customers will need to know the billing rates for SDC products and services before they move into the SDC. Both DSHS and WSP have stated that they will not move into the SDC until they know what ongoing operations will cost.	Finance	Y	3/16/21	7/19/12	9/1/12	<i>The CTS Finance group continues to work this.</i>	Open
134	Will agencies be allowed to bring their corporate networks into the SDC? This impacts network routing, top-of-rack switches and firewalls as these components would come with an agency corporate network.	TSD	G	11/4/11	7/19/12	9/1/12	<i>Draft recommendation due 8/1/2012.</i>	Open
197	A decision on the Cloud procurement is needed around September 2012 or it will start impacting the server move schedule.	SDC	G	7/16/2012	8/1/2012	9/1/2012		Open
132	Roles & Responsibilities for the Storage Switches and converged network need to be defined. This includes who manages the SDC fiber channel switches and the roles and responsibilities for troubleshooting fiber channel over Ethernet (FCoE) across the converged network.	SDC	Y	11/3/2011	8/1/2012	9/1/2012	<i>This is being worked by TSD and the Storage group. This is critical for VMAX operations.</i>	Open
196	A Pathway is needed to connect the 9513 switches in the OB2 East data center to the fiber patch panels that connect to the SDC. Running the cables under the floor tiles is not an option as this worsens the cooling problem in OB2.	SDC	Y	7/10/2012	7/24/2012	8/3/2012	<i>A design decision is being worked on this issue to provide options and a plan.</i>	Open

* New or changed items in bold italics

Change Requests *

No.	Description	Requestor	Request Date	Assigned	Cost Impact	Schedule Impact	Status
001	There are no change requests at this time.						

Status (Submitted, Proposal, Approved, Opened, Resolved, Verified, Closed)

* New or changed items in bold italics

Top 5 Risks *

ID	Risk Description	Risk Category	Level of Impact	Likelihood	Schedule	Ability to Meet Deadline	Risk Mitigation Comment	Due Date & Action	Assigned To
1	Customers that were expecting to come into the SDC right away must now wait longer, which has end of life/investment implications	Man	3	R	G	G	Communicate with customers the new plan and schedule.	Ongoing	Program Manager
2	Timing may force a need to place hardware in OB2, which has an adverse impact on the heat reduction effort.	Cap	2	Y	G	G	<ul style="list-style-type: none"> Work with customers to identify solutions that minimize additional heat in OB2. Institute OB2 heat reduction initiatives to turn off unused servers Delay implementation of new hardware in OB2 as late as possible 	Ongoing	Facilities
3	Because the project is large and includes substantial logistical challenges involving multiple projects/agencies, interdependencies will be complex and could be overlooked.	Man	1	R	G	G	<ul style="list-style-type: none"> Apply project management practices to manage the effort. Break the work down into small and logical units. Use tools to track tasks, dependencies, issues, risks, etc. and automate the planning and communications as much as possible. Implement migration approaches that minimize impacts of system dependencies, such as spanning the network between the OB2 and SDC data centers. Use development and test platforms to verify system dependencies. 	Ongoing	Sr. Project Manager
4	Even though the scope has been reduced to better match the budget, it may be insufficient. Several items remain unfunded.	Res	1	R	G	G	<ul style="list-style-type: none"> Request funding for unfunded projects Identify other funding sources (if possible) Reduce project scope Back-log unfunded projects 	Ongoing	Program Manager

ID	Risk Description	Risk Category	Level of Impact	Likelihood	Schedule	Ability to Meet Deadline	Risk Mitigation Comment	Due Date & Action	Assigned To
5	Resource Conflict – Program relies on functional staff with competing priorities.	Res	1	R	G	Y	<ul style="list-style-type: none"> Provide clear management guidance on priorities and carefully manage functional staff to minimize conflicts in priorities and work tasks. Expand resource management and track task assignments to the resource level. Identify areas in the plan where resource loading indicates a problem and take appropriate action. 	Ongoing	Sr. Project Manager

Risk Category = (Res)ources; (Man)agement; (Tec)hnology; (Fun)ctional; (Dev)elopment; (Int)erfaces; (Sec)urity; (Usa)bility; (Ava)ilability; (Per)formance; (Cap)acity; (Sca)lability; (Ext)ernal.

* New or changed items in bold italics

Level of Impact Key:

1=major impact
2=significant impact
3=minor impact
0=no impact

Likelihood Key:

G = Low.
Y = Moderate
R = High

Schedule Key:

G = on schedule
Y = Less than 30 days behind schedule (caution)
R = More than 30 days behind schedule (warning)

Ability to Meet Deadline Key:

G = based on current information, it appears manageable
Y = there are significant obstacles or areas of uncertainty or concerns
R = there are clearly identifiable threats or deterioration of ability to manage and control

Steering Committee Action Items

Item #	Item Description	Assigned	Date Assigned	Date Due
1	No pending action items			